

## Summary

### SCOPE OF SERVICES:

The Frederick County Department of Procurement and Contracting on behalf of the Division of Public Works (DPW) is soliciting statements of qualifications (SOQ) and letters of interest from consulting firms to provide Civil/Structural/Traffic services on an indefinite delivery quantity (IDQ) contract basis. In general, the work performed under this contract will involve Civil/Structural/Traffic services as needed on a task order basis.

The scope of work may include but not be limited to the types of projects listed below:

- Storm drainage problem investigations and/or design solutions.
- Investigation of roadway locations in need of spot or safety improvements and design of the improvements.
- Development of signing and striping plans for selected County roads
- Determination of roadway locations where traffic barrier is needed and layout of the traffic barrier.
- Roadway design or review of roadway designs by other consultants.
- Roadway alignments studies.
- Bridge, building, and other structure inspections and evaluations.
- Bridge ratings.
- Structural design/review for bridges, buildings, etc.
- Drafting of plans.
- Surveying.
- Obtaining permits for proposed work.
- Design of sediment and erosion control measures for projects.
- Development of right-of-way plats.
- Wetland study/mitigation.
- Hydrology/Hydraulic studies.
- Existing vs. proposed photo depictions/comparisons.
- Review plans and bid documents including quantities and construction cost estimates prepared by other firms.
- Geotechnical testing and analysis.
- Projects may include designs with steel reinforced concrete, pre-stressed precast concrete, masonry, timber, etc.
- Projects may include work governed by ASTM, BOCA, ACI, AISC, AASHTO, MUTCD, etc. design codes.
- Funding may be provided by County, State, or Federal sources. Work may include preparation of paperwork associated with guidelines set forth by these funding sources.
- General Types of Traffic Studies performed/completed in accordance with the generally accepted practices outlined in the Institute of Transportation Engineers' *Manual of Traffic Engineering Studies*:

- Inventories of Physical Equipment or Roadways
  - Traffic Counts
  - Crash Studies
  - Spot Speed and Curve (Ball Bank)
  - Travel Time and Delay
  - Origin-Destination
  - Intersection Signal Warrant
  - Parking
  - Observance/Compliance of Control Devices
  - Intersection Capacity
  - Traffic Impact (preparation and review)
  - Existing vs. Proposed Photo Depictions/comparisons
  - Roadway Links
  - Roadway Safety
- Traffic Design Types of Studies performed/completed in accordance with the most pertinent sections of any combination of the following: *Highway Capacity Manual*, *The Policy on Geometric Design of Highways and Streets*, *Manual of Uniform Traffic Control Devices* (MUTCD), and Maryland State Highway Administration and County design standards.
    - Intersection Signal Design and Layout
    - Intersection Signal Design Review and Inspection
    - Roadway and Intersection Layout
    - Review/Design Work Zone Traffic Control Plans
    - Roadway Signing and Striping Plan
    - Traffic Signal System Software such as Syncro
    - Traffic Mitigation/Calming Devices and Design

CADD plans prepared by the Consultant must be provided in (or converted by Consultant to) AutoCAD format.